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|--|-----------------|---------------|--|
| Issue Classification  | Application No. | Applicant(s) | |
| | 09/328,391 | BERGER ET AL. | |
| | Examiner | Art Unit | |
| | Paul E Brock II | 2815 | |

18

| ISSUE CLASSIFICATION | | | | | | | | | |
|--|----------|--|---|--|-----------------------------------|--|--|-----------------------------|-------------------------|
| ORIGINAL | | | | CROSS REFERENCE(S) | | | | | |
| CLASS | SUBCLASS | | | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | |
| 257 | 185 | | | 257 | 189 | | | | |
| INTERNATIONAL CLASSIFICATION | | | | | | | | | |
| H01L | 21338 | | | | | | | | |
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| | | | / | | | | | | |
| Paul E Brock II 6/7/04 (Assistant Examiner) (Date) | | | | TOM THOMAS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2000 (Primary Examiner) (Date) T. Thomas 6-7-04 | | | | Total Claims Allowed: 22 | |
| Nick Short 6/1/04 (Legal Instruments Examiner) (Date) | | | | | | | | O.G. Print Claim(s) 1 | O.G. Print Fig. 3 |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant | | | | | | | | | | <input type="checkbox"/> CPA | | | | | | | | | | <input type="checkbox"/> T.D. | | | | | | | | | | <input type="checkbox"/> R.1.47 | | | | | | | | | |
|--|----------|--|-------|----------|--|-------|----------|--|-------|------------------------------|--|-------|----------|--|-------|----------|--|-------|----------|-------------------------------|-------|----------|--|-------|----------|--|-------|----------|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | | | | | | | | | | |
| 1 | 1 | | | 31 | | | 61 | | | 91 | | | 121 | | | 151 | | | 181 | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | | | 32 | | | 62 | | | 92 | | | 122 | | | 152 | | | 182 | | | | | | | | | | | | | | | | | | | | |
| 3 | 3 | | | 33 | | | 63 | | | 93 | | | 123 | | | 153 | | | 183 | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | 34 | | | 64 | | | 94 | | | 124 | | | 154 | | | 184 | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | 35 | | | 65 | | | 95 | | | 125 | | | 155 | | | 185 | | | | | | | | | | | | | | | | | | | | |
| 4 | 6 | | | 36 | | | 66 | | | 96 | | | 126 | | | 156 | | | 186 | | | | | | | | | | | | | | | | | | | | |
| 5 | 7 | | | 37 | | | 67 | | | 97 | | | 127 | | | 157 | | | 187 | | | | | | | | | | | | | | | | | | | | |
| 6 | 8 | | | 38 | | | 68 | | | 98 | | | 128 | | | 158 | | | 188 | | | | | | | | | | | | | | | | | | | | |
| 7 | 9 | | | 39 | | | 69 | | | 99 | | | 129 | | | 159 | | | 189 | | | | | | | | | | | | | | | | | | | | |
| 8 | 10 | | | 40 | | | 70 | | | 100 | | | 130 | | | 160 | | | 190 | | | | | | | | | | | | | | | | | | | | |
| 9 | 11 | | | 41 | | | 71 | | | 101 | | | 131 | | | 161 | | | 191 | | | | | | | | | | | | | | | | | | | | |
| 10 | 12 | | | 42 | | | 72 | | | 102 | | | 132 | | | 162 | | | 192 | | | | | | | | | | | | | | | | | | | | |
| 11 | 13 | | | 43 | | | 73 | | | 103 | | | 133 | | | 163 | | | 193 | | | | | | | | | | | | | | | | | | | | |
| 12 | 14 | | | 44 | | | 74 | | | 104 | | | 134 | | | 164 | | | 194 | | | | | | | | | | | | | | | | | | | | |
| 13 | 15 | | | 45 | | | 75 | | | 105 | | | 135 | | | 165 | | | 195 | | | | | | | | | | | | | | | | | | | | |
| 14 | 16 | | | 46 | | | 76 | | | 106 | | | 136 | | | 166 | | | 196 | | | | | | | | | | | | | | | | | | | | |
| 15 | 17 | | | 47 | | | 77 | | | 107 | | | 137 | | | 167 | | | 197 | | | | | | | | | | | | | | | | | | | | |
| 16 | 18 | | | 48 | | | 78 | | | 108 | | | 138 | | | 168 | | | 198 | | | | | | | | | | | | | | | | | | | | |
| 17 | 19 | | | 49 | | | 79 | | | 109 | | | 139 | | | 169 | | | 199 | | | | | | | | | | | | | | | | | | | | |
| 18 | 20 | | | 50 | | | 80 | | | 110 | | | 140 | | | 170 | | | 200 | | | | | | | | | | | | | | | | | | | | |
| 19 | 21 | | | 51 | | | 81 | | | 111 | | | 141 | | | 171 | | | 201 | | | | | | | | | | | | | | | | | | | | |
| 20 | 22 | | | 52 | | | 82 | | | 112 | | | 142 | | | 172 | | | 202 | | | | | | | | | | | | | | | | | | | | |
| 21 | 23 | | | 53 | | | 83 | | | 113 | | | 143 | | | 173 | | | 203 | | | | | | | | | | | | | | | | | | | | |
| 22 | 24 | | | 54 | | | 84 | | | 114 | | | 144 | | | 174 | | | 204 | | | | | | | | | | | | | | | | | | | | |
| | 25 | | | 55 | | | 85 | | | 115 | | | 145 | | | 175 | | | 205 | | | | | | | | | | | | | | | | | | | | |
| | 26 | | | 56 | | | 86 | | | 116 | | | 146 | | | 176 | | | 206 | | | | | | | | | | | | | | | | | | | | |
| | 27 | | | 57 | | | 87 | | | 117 | | | 147 | | | 177 | | | 207 | | | | | | | | | | | | | | | | | | | | |
| | 28 | | | 58 | | | 88 | | | 118 | | | 148 | | | 178 | | | 208 | | | | | | | | | | | | | | | | | | | | |
| | 29 | | | 59 | | | 89 | | | 119 | | | 149 | | | 179 | | | 209 | | | | | | | | | | | | | | | | | | | | |
| | 30 | | | 60 | | | 90 | | | 120 | | | 150 | | | 180 | | | 210 | | | | | | | | | | | | | | | | | | | | |

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|-----------------------------|-------------------------|--------------|------------------------|------------------------------------|
| SERIAL NUMBER 09/328,391 | FILING DATE 06/09/99 | CLASS 257 | GROUP ART UNIT 2811 | ATTORNEY DOCKET NO. 0154-2811-2 |
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|--|---|--|-------------------------|--|--------------------|-------------------------|
| APPLICANT | VINCENT BERGER, PARIS, FRANCE; PHILIPPE BOIS, CESSON, FRANCE. | | | | | |
| | **CONTINUING DOMESTIC DATA***** VERIFIED <u>PEB</u> <i>none</i> | | | | | |
| | **371 (NAT'L STAGE) DATA***** VERIFIED <u>PEB</u> <i>none</i> | | | | | |
| | **FOREIGN APPLICATIONS***** VERIFIED <u>[Signature]</u> <i>none</i> | | | | | |
| IF REQUIRED, FOREIGN FILING LICENSE GRANTED 07/01/99 | | | | | | |
| ADDRESS | Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met other conditions | | STATE OR COUNTRY FRX | SHEETS DRAWING 8 | TOTAL CLAIMS 12 | INDEPENDENT CLAIMS 1 |
| | Verified and Acknowledged <u>[Signature]</u> Examiner's Initials <u> </u> Initials <u> </u> | | | | | |
| TITLE | MARVIN J SPIVAK OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON VA 22202 | | | | | |
| | QUANTUM WILL DETECTOR WITH LAYER FOR THE STORAGE OF PHOTO-EXCITED ELECTRONS | | | | | |
| FILING FEE RECEIVED \$890 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT NO. _____ for the following: | | | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issuance) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit | | |